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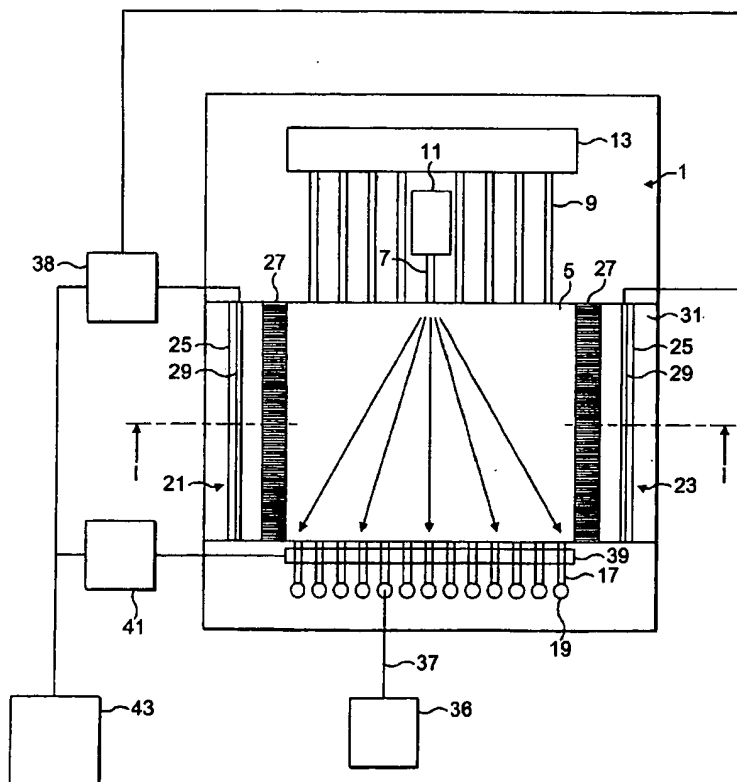
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(54) Title: **FREE FLOW ELECTROPHORESIS MICROCHIP, SYSTEM AND METHOD**



(57) Abstract: Device and method for free flow electrophoresis having a microchip (1) comprising: a separation chamber (5); a plurality of separation medium inlet channels (9), a sample inlet side of the separation chamber through which a flow of a sample containing charged components is in ues introduced into the separation chamber; a plurality of outlet channels (17) having inlets fluidly connected to another, outlet side of the separation chamber opposite the inlet side thereof-, and a magnetic field unit (31) for providing a magnetic field substantially orthogonal to the flow direction of the separation medium; whereby charged components introduced into the separation chamber are deflected laterally across the separation. chamber in dependence upon the charge, typically the electrophoretic mobilities or the iso-electric points, of the charged components.